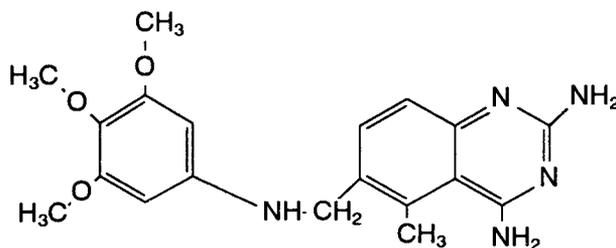


JB-11

NSC - 249008



\*CH<sub>3</sub>COOH

**Chemical Name:**

5-Methyl-6-[[[(3,4,5-trimethoxyphenyl)amino]methyl]-2,4-quinazolinediamine, acetate

**CAS Registry Number:** 52128-35-5

**Molecular Formula:** C<sub>19</sub>H<sub>23</sub>N<sub>5</sub>O<sub>3</sub>·CH<sub>3</sub>COOH

**M.W.:** 429.5

**Approximate Solubility:**

(mg/mL)

Water	1 - 2
pH 4 Acetate buffer	< 1
pH 9 Acetate buffer	< 1
0.1 N HCl	1 - 5
0.1 N NaOH	< 1
Methanol	12 - 15
95% Ethanol	1 - 5
10% Ethanol	1 - 3
Dimethylacetamide	10 - 15
Dimethylsulfoxide	≈100

## Stability:

### Bulk:

A sample stored at 60 °C for 30 days showed no decomposition (UV, HPLC).

### Solution:

A solution in 5% methanol (0.5 mg/mL) showed no decomposition after 9 days (UV). A solution in 5% dimethylacetamide/pH 4 acetate buffer showed no decomposition after 48 hours(HPLC).

## Ultraviolet Absorption:

(0.1 N NaOH)

$\lambda_{\max}$	$\epsilon$
237 $\pm$ 2 nm	46,970 - 47,922
341 $\pm$ 2 nm	4,410 - 4,680

## High Performance Liquid Chromatography:

**Column:**  $\mu$ Bondapak C<sub>18</sub>, 300 x 3.9 mm i.d.

**Mobile Phase:** CH<sub>3</sub>CN/3% acetic acid in water, 20/80, v/v

**Flow Rate:** 0.8 mL/min

**Detection:** UV at 254 nm

**Sample Preparation:** 0.5 mg/mL in methanol containing internal standard

**Internal Standard:** 0.35 mL/mL acetophenone in methanol

**Retention Volume:** 6.4 mL (NSC-249008)  
9.1 mL (I.S.)